

AMENDMENTS TO THE CLAIMS

Listing of Claims:

1. (currently amended) An electrolytic capacitor having a capacitor element fabricated by winding an anode electrode foil provided with anode leading means and a cathode electrode foil provided with cathode leading means via a separator and impregnating it with an electrolyte solution, an outer case for housing the capacitor element, and a sealing member for sealing an open part of the outer case, ~~characterized in that a wherein the electrolyte solution containing comprises an~~ aluminum tetrafluoride salt is used as said electrolyte solution, and that a ceramics coating layer is formed at a contact portion with the sealing member and the cathode leading means.
2. (original) An electrolytic capacitor according to claim 1, wherein the cathode leading means includes an aluminum conductor comprised of a rod member and a flat member, wherein the ceramics coating layer is formed on the rod member prior to capacitor production process.
3. (previously presented) An electrolytic capacitor according to claim 1, wherein the ceramics coating layer is formed by using a coating agent comprised of one or more metal alcoxide ceramics wherein the metal alcoxide is selected from the group consisting of Al_2O_3 , SiO_2 , and ZrO_2 and combinations thereof.

4-6. Cancelled

7. (currently amended) An electrolytic capacitor obtained by impregnating a capacitor element with an electrolyte solution containing an aluminum tetrafluoride salt, wherein the capacitor element is formed by ~~wounding~~ winding an anode electrode foil with a ~~a~~ an anode leading terminal and a cathode electrode foil with a cathode leading terminal together with an intervening separator, housing the capacitor element in an cylindrical outer case with a bottom, and ~~a~~ sealing an open end of the case by a sealing member with a rivet connecting said cathode leading terminal to said outside terminal, ~~characterized in that~~ wherein a ceramics coating layer is formed at a contact portion of the rivet with the sealing component.

8. (currently amended) An electrolytic capacitor obtained by impregnating a capacitor element with an electrolyte solution containing an aluminum tetrafluoride salt, wherein the capacitor element is formed by ~~wounding~~ winding an anode electrode foil with a ~~a~~ an anode leading terminal and a cathode electrode foil with a cathode leading terminal together with an intervening separator, housing the capacitor element in an cylindrical outer case with a bottom, and ~~a~~ sealing an open end of the case by a sealing member with a rivet connecting said cathode leading terminal to said outside terminal ~~characterized in that~~ wherein a ceramics coating layer is formed on said cathode leading terminal.

9-10. (cancelled)

11. (currently amended) An electrolytic capacitor according to claim 1, wherein ~~an electrode foil at least one of the cathode or anode foils is~~ subjected to a phosphate treatment ~~is used as the cathode electrode foil or the anode electrode foil.~~

12. (currently amended) An electrolytic capacitor according to claim 2, wherein ~~an electrode foil at least one of the cathode or anode foils is~~ subjected to a phosphate treatment ~~is used as the cathode electrode foil or the anode electrode foil.~~

13. (currently amended) An electrolytic capacitor according to claim 3, wherein ~~an electrode foil at least one of the cathode or anode foils is~~ subjected to a phosphate treatment ~~is used as the cathode electrode foil or the anode electrode foil.~~

14. (currently amended) An electrolytic capacitor according to claim 7, wherein ~~an electrode foil at least one of the cathode or anode foils is~~ subjected to a phosphate treatment ~~is used as the cathode electrode foil or the anode electrode foil.~~

15. (currently amended) An electrolytic capacitor according to claim 8, wherein ~~an electrode foil at least one of the cathode or anode foils is~~ subjected to a phosphate treatment ~~is used as the cathode electrode foil or the anode electrode foil.~~